Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A packet transmission network operating in accordance with a packet switching method, comprising a plurality of network nodes coupled via at least ~~two rings~~a first ring and a second ring, wherein ~~each of the at least two rings~~the first ring and the seond ring operate in pairs that work in opposite directions, and wherein the nodes of the first ring are different than the nodes of the second ring, the nodes containing each in status tables entries about the location of a defect and switched loops from one ring to another ring in a network node, wherein a network node, after detecting a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of a first type about the location of the repaired defect to all the network nodes that can be reached.

2. (Currently amended) A packet transmission network ~~as claimed in claim 1~~ operating in accordance with a packet switching method, comprising a plurality of network nodes coupled via at least two rings, wherein each of the at least two rings operate in pairs that work in opposite directions, the nodes containing each in status

tables entries about the location of a defect and switched loops from one ring to another ring in a network node, wherein a network node, after detecting a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of a first type about the location of the repaired defect to all the network nodes that can be reached, wherein a network node, after reception of a repair message of the first type, is provided for changing an entry in its status table and for checking whether a loop in the network node running from one ring to the other is to be canceled and in that the network node, after canceling a loop, is provided for sending a repair message of a second type about the cancellation of the loop to all the network nodes that can be reached.

3. (Previously presented) A network as claimed in claim 2, wherein a network node is provided for canceling a loop from one ring to another in the network node when the network node contains in its status table:

entries for one or more simplex cable ruptures on a ring, or

entries for a loop message about a defect on one ring and a repair message of a first type relating to the other ring in case of a duplex cable rupture, or

entries for two loop messages about defects on one ring and two repair messages of the first type relating to the other ring, or

exactly four entries and a loop message about a defect on one ring and at least one repair message of the first type relating to the other ring, or

exactly four entries and two repair messages of the first type relating to one ring and one loop message each about a defect relating to the other ring, or

exactly three entries and one loop message about a defect on one ring and a repair message of a first type relating to the other ring.

4. (Currently amended) A packet transmission network ~~as claimed in claim 1~~ operating in accordance with a packet switching method, comprising a plurality of network nodes coupled via at least two rings, wherein each of the at least two rings operate in pairs that work in opposite directions, the nodes containing each in status tables entries about the location of a defect and switched loops from one ring to another ring in a network node,

wherein a network node, after detecting a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of a first type about the location of the repaired defect to all the network nodes that can be reached, wherein a network node of an isolated node group or of an isolated node is provided for a renewed transmission of a repair message of the first type already sent out once before when, as a result of

the repair of a defect and a message about it, there is no longer an isolated node group or an isolated node.

5. (Currently amended) A packet transmission network ~~as claimed in claim 1~~ operating in accordance with a packet switching method, comprising a plurality of network nodes coupled via at least two rings, wherein each of the at least two rings operate in pairs that work in opposite directions, the nodes containing each in status tables entries about the location of a defect and switched loops from one ring to another ring in a network node,
wherein a network node, after detecting a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of a first type about the location of the repaired defect to all the network nodes that can be reached, wherein a network node is provided for erasing a repair message of a first or second type sent out by the network node itself.

6. (Currently amended) A network node in a packet transmission network operating in accordance with the packet switching method, the network having further network nodes coupled via at least ~~two rings~~a first ring and a second ring, wherein the nodes of the first ring are different then the nodes of the second ring, the network node being a member of the first ring, and wherein ~~each of the at least two rings operate~~at least one node of the first ring

operating in ~~pairs~~a pair with at least one node of the second ring, and working in opposite directions, the nodes and network node contain in status tables entries about the location of a defect and switched loops running from one ring to another in a network node, wherein

the network node, after the detection of a repaired defect, is provided for changing an entry in its status table and for transmitting a repair message of the first type about the location of the repaired defect to all the other network nodes that can be reached.

7. (New) A ring node network comprising ~~a plurality of ring nodes~~at least a first ring and a second ring, each ring having ring nodes that are different than the ring nodes of an other ring, at least one ring node of the first ring operating as a pair with at least one ring node of the second ring, and operating in a defect protection state, wherein each of the ~~plurality of~~ ring nodes comprises a status table of defect locations, wherein at least one of the plurality of ring nodes is configured to transmit a repair message to all reachable ring nodes to update the reachable ring nodes status tables.